

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/061618 A1**

- (51) International Patent Classification<sup>7</sup>: **C08L 59/00**, (74) Agent: **C & S PATENT AND LAW OFFICE**; C-2306 Daelim Acrotel, 467-6 Dogok-dong, Kangnam-gu, Seoul 135-971 (KR).
- (21) International Application Number: **PCT/KR2004/003333**
- (22) International Filing Date:  
17 December 2004 (17.12.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:  
10-2003-0094542  
22 December 2003 (22.12.2003) **KR**
- (71) Applicant (for all designated States except US): **KOREA ENGINEERING PLASTICS CO., LTD.** [KR/KR]; 450 Gongduk-2dong, Mapo-gu, Seoul 121-805 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KIM, Tak-Kyu** [KR/KR]; 982-2205 Baekdoo Apt., Goongnae-dong, Gunpo, Kyungki-do 435-047 (KR). **JEONG, Chung-Ryol** [KR/KR]; 205-1202 Hangaram Apt., 1586-5 Gwanyang-dong, Dongan-gu, Anyang, Kyungki-do 431-060 (KR). **SHIN, Ki-Chul** [KR/KR]; 403-603 Hanla Apt., 1156-1 Ogeum-dong, Gunpo, Kyungki-do 435-857 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **POLOYOXYMETHYLENE COMPOSITION HAVING HIGH FUEL RESISTANCE AND SHAPED ARTICLE PRODUCED THEREFROM**

(57) Abstract: Disclosed is a polyoxymethylene composition having high fuel resistance, which includes a polyoxymethylene polymer, magnesium stearate, and an antioxidant. Also, a shaped article produced from the polyoxymethylene composition is provided, which is suitable for use in fuel feeding and circulation systems of automobiles.



**WO 2005/061618 A1**